

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A method of authentication, particularly in home networks, between a network-internal apparatus (21 to 25) and a wireless network-external apparatus (3), wherein the authentication is based on a comparison of the values of both apparatuses, which values result from their separate measurements of at least one predefined ambient parameter.

2. (original) A method of authentication, particularly in home networks, between a network-internal apparatus (21 to 25) and a wireless network-external apparatus (3), wherein the required configuration data are sent from the network internal apparatus (21 to 25) to the wireless network-external apparatus (3) in an encrypted manner and wherein the encryption is based on the values of measured, predefined ambient parameters.

3. (original) A method as claimed in claim 1, characterized in that the measured values are exchanged between the network-internal apparatus (21 to 25) and the network-external apparatus (3) in an encrypted manner by means of pre-exchanged "public keys".

4. (currently amended) A method as claimed in ~~any one of claims 1 to 3~~claim 1, characterized in that the ambient parameters consist of acoustic and/or optical signals generated by the network-internal apparatus (21 to 25).

5. (currently amended) A method as claimed in ~~any one of claims 1 to 4~~claim 1, characterized in that ambient parameters which change upon each request by the network-internal apparatus (21 to 25) are defined.

6. (currently amended) A method as claimed in ~~any one of claims 1 to 5~~claim 1, characterized in that the defined ambient parameters have time-dynamic values.

7. (currently amended) A method as claimed in ~~any one of claims 1 to 6~~claim 1, characterized in that the network-internal apparatus (21 to 25) is an access point.